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A Catalogue of the Eumeninae (Hymenoptera: Vespidae) of the Ethiopian Region excluding Malagasy Subregion. Part III: Classification, Additions, Corrections and Index

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Abstract: Additions and corrections to Part I and II are dealt with. Several taxonomic changes are proposed. A short systematic review is added.

Key words: Vespidae, Eumeninae, Ethiopian Region, classification, taxonomy, additions, corrections.

Introduction

The third part of the catalogue of the Eumeninae of the Ethiopian Region excluding Malagasy Subregion includes additions and corrections to Part I and II bringing the taxonomic part to an end. An index to genera, species and subspecies is added. A short systematic review highlights the changes since BEQUAERT's publication.

Systematic Review

A useful perspective on the present state of knowledge of the Eumeninae of the Ethiopian Region is gained by comparison with the monograph by BEQUAERT (1918), which includes the last catalogue prior to our work. BEQUAERT included the Malagasy Subregion in his totals of Ethiopian species, therefore we include data from CARPENTER & MADL (2009) to make the number directly comparable. BEQUAERT also separated Raphiglossinae and Zethinae from the Eumeninae; we include those taxa in Eumeninae, following CARPENTER (1981).

BEQUAERT (1918: 21) counted 368 species in 18 genera for Ethiopian Eumeninae. Presently our totals are 727 species in 81 genera. The present total does not include unrecognized species – if these are included, an additional 32 species and one genus augment the numbers. The number of described species has nearly doubled in less than a century. The number of described genera has increased much more, but BEQUAERT's generic classification placed most of the species he recorded (BEQUAERT 1918: 221) in *Odynerus*. This was the broad concept of that genus in particular that was shortly thereafter decisively altered, first by the work of BLÜTHGEN (1938), who began a trend

of splitting, that was later taken up in particular by GIORDANI SOIKA, the author of so many of the Ethiopian taxa.

The great increase in number of described species encourages a revisiting of BEQUAERT's overall assessment of the Ethiopian vespid fauna, of which Eumeninae forms the greatest part. BEQUAERT (1918: 24) stated:"The Ethiopian region is much poorer in diplopterous wasps than any of the other tropical parts of the world; this is especially striking if we note its large extension, its size being about twice that of either the Neotropical or Oriental regions. The total number of species and genera is much inferior to that of the Neotropical region and hardly equal to that of the Oriental."

BEQUAERT combined the Oriental and Australian Region in his comparisons, which for Eumeninae as here construed gave a total count of 549 species (BEQUAERT 1918: 13-14). He had a total of 647 eumenine species for the Neotropical Region. The total of 368 Ethiopian eumenine species was indeed much less than for those regions, but the numbers look different today. For Neotropical Eumeninae, WEST-EBERHARD et al. (2006: 625) recorded 729 species, essentially the same as the present Ethiopian total, and 44 genera, rather fewer than in the Ethiopian Region. Of course there are substantially more social wasps (Polistinae) known from the Neotropical than the Ethiopian Region, 543 species and 21 genera (see WEST-EBERHARD et al. 2006: 628) vs. 159 species and four genera (compiled from CARPENTER 1996 and KOJIMA & CARPENTER 1997), but this is partly offset by the difference in Masarinae, with totals of 23 species and four genera for the Neotropics vs. 171 species and six genera for the Ethiopian Region (updated from CARPENTER 2001 and CARPENTER et al. 2006). Recent figures have not been published for the Oriental + Australian Region (CARDALE 1985 is available for Australia), but combining the totals from an unpublished checklist by CARPENTER indicates well over 900 eumenine species presently known from the Oriental + Australian Region. This is considerably more than the total for the Ethiopian Region, but the percentage difference in species is rather less than in the figures from BEQUAERT. Based on present knowledge, the Ethiopian Eumeninae – and vespid fauna as a whole – is not remarkably poorer than in other tropical parts of the world.

But if knowledge of the composition of the eumenine fauna of the Ethiopian Region has advanced considerably in the last century, the same cannot be said of understanding of phylogenetic relationships. Formal phylogenetic analyses of higher-level relationships did not begin until CARPENTER (1981). That study showed Eumeninae s.l. to be a natural group, that is the family Eumenidae of RICHARDS (1962), which included BEQUAERT's subfamilies Raphiglossinae and Zethinae (the latter as Discoeliinae, a junior synonym) along with Eumeninae s.str. Zethinae and Raphiglossinae were not recognized taxonomically by CARPENTER (1981) because of paraphyly of Zethinae. Since then, there have been just two phylogenetic analyses including more than a handful of eumenine genera: the study by CARPENTER & CUMMING (1985) on the Nearctic genera, and that by VERNIER (1997) on the European genera. Both those studies agreed on a few basic points, viz. the sister-group of all the remaining genera was the "zethine" included in the respective studies, that the petiolate genera split off from *Eumenes* sensu antiquo formed a monophyletic group, that the genera with a posteriorly rounded tegula (including *Odynerus* LATREILLE and *Pterocheilus* KLUG) formed a monophyletic group, and that the genera close to *Stenodynerus* de SAUSSURE and *Leptochilus* de SAUSSURE were related. That is still the most that can be said about generic relationships, and refers only in the

most general way to the Ethiopian fauna. Recently, HINES et al. (2007) analyzed molecular data to argue that the "zethines" they studied were more closely related to the subfamilies Polistinae and Vespinae than to other Eumeninae, but PICKETT & CARPENTER (2010) have shown the conclusions by HINES et al. to be without foundation.

There have been more studies on phylogenetic relationships among species within genera of Eumeninae, but none of these concern Ethiopian taxa. These are the publications by CUMMING (1989) on the Holarctic-Oriental genus *Symmorphus* WESMAEL; WILLINK & ROIG-ALSINA (1998) on the Neotropical *Pachodynerus* de SAUSSURE; GARCETE-BARRETT (2003) and GARCETE-BARRETT & HERMES (2010) on the Neotropical *Cephalastor* GIORDANI SOIKA; and HERMES & MELO (2008) on the Neotropical *Pseudodynerus* de SAUSSURE. Most genera worldwide have their monophyly remaining untested, and relationships among species little explored.

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Corrections: Key to Genera

18 Tergum I at most 0.5 times wider than tergum II in dorsal view 19

- Tergit I more than 0.5 times wider than tergum II in dorsal view 32

30 Apex of clypeus convex .... *Katamenes* MEADE-WALDO

- Apex of clypeus concave 31

62 Maxillary palpi with five segments. Clypeus not emarginate apically. Last article of male antennae not hooklike. Body length less than 20 mm .. subgenus *Rhynchagris* MAIDL

- Maxillar palpi with six segments. Clypeus bluntly angular or emarginate apically. Last article of male antennae hook-like, bent backwards. Body length usually more than 20 mm 62a

62a Mandibles with more or less distinct grooves and carinae on their external face; Inner margin in females with three notches, in males with teeth of variable size and shape. Metanotum lateral with spiny tubercles .... subgenus *Paragris de* SAUSSURE

- Mandibles almost smooth on their external face; Inner margin in females and males finely serrulate. Metanotum with two gibbosities .... subgenus *Synagris* LATREILLE

70 Apex of clypeus pointed, not angulate. Terga I and II often with lamelliform posterior border. Sternum II often with medial depression .... *Rhynchalastor* MEADE-WALDO (partly)

- Apex of clypeus angulate. Terga I and II without lamelliform posterior border. Sternum II without medial depression .... *Nirtenia* GIORDANI SOIKA

Additions and Corrections: Annotated Catalogue

Corrections concerning number of species and subspecies are summarized in tables 1 and 2.

Aethiopicodynerus bimammilatus bimammilatus GUSENLEITNER 1997

Aethiopicodynerus bimammilatus bimammilatus GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

Aethiopicodynerus bimammilatus GUSENLEITNER: GUSENLEITNER 2010: 1035 (tax.).

**Aethiopicodynerus rarus* GUSENLEITNER: GUSENLEITNER 2010: 1035 (cat.).

Aethiopicodynerus capensis (de SAUSSURE 1856)

Parachilus capensis (de SAUSSURE): GESS 1996: 273 (app. 2: biol., South Africa), 300 (app. 2: biol., South Africa).

Aethiopicodynerus mimulus (GIORDANI SOIKA 1989)

Aethiopicodynerus mimulus (GIORDANI SOIKA): GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

Aethiopicodynerus punctiventris GUSENLEITNER 2002

Aethiopicodynerus punctiventris GUSENLEITNER: GUSENLEITNER 2010: 1035 (cat.).

Aethiopicodynerus schulthessi schulthessi (MEADE-WALDO 1915)

Aethiopicodynerus schulthessi schulthessi (MEADE-WALDO): GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

Aethiopicodynerus scripticeps (CAMERON 1910)

Odynerus (*Lionotus*) *scripticeps* CAMERON: MEADE-WALDO 1915: 488 (South Africa, cat.), 496 (key), pl. 91 (fig. 9).

Afrepipona macrocephala (GRIBODO 1894)

Odynerus macrocephalus GRIBODO: TOMMASINI & MARINI 1984: 42 (tax., Mozambique, cat.), 44 (fig. 18).

Afreumenes aethiopicus aethiopicus (de SAUSSURE 1852)

Eumenes aethiopica de SAUSSURE var.: RILEY 1893: 567 (Congo).
Afreumenes aethiopicus aethiopicus (de SAUSSURE): DOLLFUSS 1990: 123 (Central African Republic).
Afreumenes aethiopicus aethiopicus (de SAUSSURE): GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

Afreumenes aethiopicus affinis (von SCHULTHESS RECHBERG 1910)

Afreumenes aethiopicus affinis (von SCHULTHESS RECHBERG): GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

Afreumenes aethiopicus longirostris (GERSTÄCKER 1857)

Eumenes melanosoma var. *longirostris* (GERSTÄCKER): VESEY-FITZGERALD 1940: 35 (biol., Tanzania (Mafia)).
Afreumenes aethiopicus longirostris (GERSTÄCKER): GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).
**Eumenes erythraspis* n.sp.: CAMERON 1910: 175 (key), 179 (descr. ♂♀, Tanzania), 196 (cat.).

D i s t r i b u t i o n : Angola, Democratic Republic of Congo, Eritrea, Ethiopia, Kenya, Malawi, Mozambique, South Africa, Tanzania (Tanzania, Mafia), Zambia, Zimbabwe.

Known from the Palearctic Region (Yemen).

Afreumenes aterrimus aterrimus (von SCHULTHESS RECHBERG 1910)

Afreumenes aterrimus aterrimus (von SCHULTHESS RECHBERG): GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

Afreumenes aterrimus bicoloratus (GIORDANI SOIKA 1987)

Afreumenes aterrimus bicoloratus (GIORDANI SOIKA): GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

Afreumenes erythrosoma (GIORDANI SOIKA 1940)

Afreumenes erythrosoma (GIORDANI SOIKA): GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

Afreumenes melanosoma melanosoma (de SAUSSURE 1852)

Eumenes melanosoma n.sp.: de SAUSSURE 1852: 61 (descr. ♂ ♀, Java).
Eumenes melanosoma n.sp.: de SAUSSURE 1853: pl. 12 (fig. 1).
Eumenes melanosoma (de SAUSSURE): MAINDRON 1882: 272 (cat.).
Afreumenes melanosoma melanosoma (de SAUSSURE): DOLLFUSS 1990: 123 (Central African Republic).
Afreumenes melanosoma melanosoma (de SAUSSURE): GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).
**Eumenes melanosoma* var. *decipiens* (KIRBY): BEQUAERT 1918: 282 (cat. partim).

Afreumenes moseri moseri (SCHULZ 1906)

**Eumenes melanosoma* var. *decipiens* (KIRBY): BEQUAERT 1918: 79 (figs 64-69), 81 (key), 82 (tax., Democratic Republic of Congo), 282 (sen. syn., cat. partim).

Afreumenes nigrorufus GIORDANI SOIKA 1968

Afreumenes nigrorufus GIORDANI SOIKA: GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

Afreumenes violaceus violaceus (GIORDANI SOIKA 1941)

Afreumenes violaceus violaceus (GIORDANI SOIKA): GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

Afreumenes violaceus rugosopunctatus (GIORDANI SOIKA 1968)

Afreumenes violaceus rugosopunctatus (GIORDANI SOIKA): GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

Alastor (*Alastor*) *aeger* GIORDANI SOIKA 1983

**Alastor* (*Antalastor*) *bucida* de SAUSSURE: von SCHULTHEß 1925a: 59 (cat.), 62 (key), 63 (key).

Alastor (*Alastorellus*) *baidoensis* GIORDANI SOIKA 1983

Alastor (*Alastorellus*) *baidoensis* GIORDANI SOIKA: GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

Alastor (_Alastorellus_) _braunsi_ MEADE-WALDO 1913

Alastor braunsi MEADE-WALDO: PERKINS 1914: 563 (tax.).

Alastor (_Alastorellus_) _clypabnormis_ GUSENLEITNER 2006

Alastor (*Alastorellus*) *clypabnormis* GUSENLEITNER: GUSENLEITNER 2010: 1025 (cat.).

Alastor (_Alastor_) _hirsutus_ GUSENLEITNER 2007

Alastor (*Alastor*) *hirsutus* GUSENLEITNER: GUSENLEITNER 2010: 1028 (cat.).

Alastor (_Alastorellus_) _mandibularis_ GIORDANI SOIKA 1950

Alastor (*Alastorellus*) *mandibularis* GIORDANI SOIKA: GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

Alastor (_Alastorellus_) _melanogaster_ GUSENLEITNER 2006

Alastor (*Alastorellus*) *melanogaster* GUSENLEITNER: GUSENLEITNER 2010: 1031 (cat.).

Alastor (_Alastor_) _nitidus_ GUSENLEITNER 2006

Alastor (*Alastor*) *nitidus* GUSENLEITNER: GUSENLEITNER 2010: 1033 (cat.).

Alastor (_Alastor_) _occidentalis_ GUSENLEITNER 2006

Alastor (*Alastor*) *occidentalis* GUSENLEITNER: GUSENLEITNER 2010: 1033 (cat.).

Alastor (_Alastor_) _parallelus_ GUSENLEITNER 2006

Alastor (*Alastor*) *parallelus* GUSENLEITNER: GUSENLEITNER 2010: 1034 (cat.).

Alastor (_Alastorellus_) _planicollis_ GUSENLEITNER 2004

Alastor (*Alastorellus*) *planicollis* GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).
Alastor (*Alastorellus*) *planicollis* GUSENLEITNER: GUSENLEITNER 2010: 1034 (cat.).

Alastor (_Alastorellus_) _plicatus_ GIORDANI SOIKA 1991

Alastor (*Alastorellus*) *plicatus* GIORDANI SOIKA: GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

Alastor (_Alastor_) _rubescens_ GUSENLEITNER 2006

Alastor (*Alastor*) *rubescens* GUSENLEITNER: GUSENLEITNER 2010: 1035 (cat.).

Alastor (_Alastorellus_) _stevensoni_ von SCHULTHESS 1925

Alastor (*Alastorellus*) *stevensoni* von SCHULTHESS: GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

Alastor (_Alastor_) _stroudiaformis_ GUSENLEITNER 2006

Alastor (*Alastor*) *stroudiaformis* GUSENLEITNER: GUSENLEITNER 2010: 1038 (cat.).

Allepipona (_Cylindrepipona_) _emortualis_ (de SAUSSURE 1853)

**Odynerus* (*Lionotus*) *simplidentatus* MEADE-WALDO: MEADE-WALDO 1915: 488 (Zimbabwe, cat.), 496 (key).

Allepipona (_Allepipona_) _erythrospila erythrospila_ (CAMERON 1905)

Allepipona erythrospila (CAMERON): GESS 1996: 290 (app. 2: biol., South Africa).

Allepipona (_Allepipona_) _schultzeana_ (von SCHULTHESS 1914)

Odynerus (*Lionotus*) *schultzeanus* von SCHULTHESS: MEADE-WALDO 1915: 487 (Namibia, cat.), 495 (key).

Allepipona (_Cylindrepipona_) _similis_ GUSENLEITNER 2000

Allepipona (*Cylindrepipona*) *similis* GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).
Allepipona (*Cylindrepipona*) *similis* GUSENLEITNER: GUSENLEITNER 2010: 1037 (cat.).

Allodynerus africanus GUSENLEITNER 1995

Allodynerus africanus GUSENLEITNER: GUSENLEITNER 2010: 1023 (cat.).

Allodynerus curvirufolineatus (CAMERON 1910) new combination

Odynerus* (*Rhynchium*) *pervigilans* n.sp.: GIORDANI SOIKA 1944: 172 (descr. ♂, South Africa, Zimbabwe). **new synonym
Acarepipona pervigilans obscura* n.ssp.: GIORDANI SOIKA 1989: 51 (descr. ♂, Gabon). **new synonym

D i s t r i b u t i o n : Burkina Faso, Democratic Republic of Congo, Gabon, Ethiopia, Senegal, South Africa, Tanzania, Zimbabwe.

Allodynerus vinciguerrae pallidulus GIORDANI SOIKA 1970

**Odynerus* (*Rhynchium*) *vinciguerrae* GUIGLIA: GIORDANI SOIKA 1939: 358 (tax., Sudan).

Ancistrocerus atlanticus atlanticus (KIRBY 1884)

Ancistrocerus atlanticus atlanticus (KIRBY): GIORDANI SOIKA 1956: 21 (Cape Verde), 22 (tax. fig. 3: map), 24 (figs except above).

Ancistrocerus atlanticus pseudatlanticus GIORDANI SOIKA 1966

Ancistrocerus atlanticus pseudatlanticus n.var.: GIORDANI SOIKA 1956: 21 (Cape Verde), 22 (descr., fig. 3: map), 24 (fig. above).

Ancistrocerus biphaleratus (de SAUSSURE 1852)

**Odynerus* (*Ancistrocerus*) *impunctatus* SPINOLA: de SAUSSURE 1863: 214 (descr. ♂, Ethiopia).

Ancistrocerus contrarius contrarius Giordani Soika 1966

Ancistrocerus contrarius n.sp.: Giordani Soika 1956: 21 (Cape Verde), 22 (fig. 3: map), 25 (tax.).

Ancistrocerus fasciaticollis fasciaticollis Giordani Soika 1974

Ancistrocerus fasciaticollis fasciaticollis Giordani Soika: Gusenleitner & Gusenleitner 2010: 720 (cat., Kenya).
**Ancistrocerus lineaticollis* Cameron: Giordani Soika 1936a: 42 (Kenya).

Ancistrocerus fasciaticollis flavocaudatus Giordani Soika 1974

Ancistrocerus fasciaticollis flavocaudatus Giordani Soika: Gusenleitner & Gusenleitner 2010: 720 (cat., Kenya).

Ancistrocerus fasciaticollis kenyaensis Giordani Soika 1974

Ancistrocerus fasciaticollis kenyaensis Giordani Soika: Gusenleitner & Gusenleitner 2010: 720 (cat., Kenya).

Ancistrocerus fasciaticollis maximus Giordani Soika 1974

Ancistrocerus fasciaticollis maximus Giordani Soika: Gusenleitner & Gusenleitner 2010: 720 (cat., Kenya).

Ancistrocerus lineaticollis Cameron 1910

Odynerus (*Ancistrocerus*) *lineaticollis* Cameron: Meade-Waldo 1915: 486 (tax., Tanzania, cat.), 490 (key).

Ancistrocerus maculiscapus maculiscapus (Cameron 1910)

Odynerus (*Ancistrocerus*) *maculiscapus* (Cameron): Meade-Waldo 1915: 486 (tax., Tanzania, cat.), 490 (key).

Ancistrocerus neuvillei neuvillei (du Buysson 1906)

Odynerus (*Ancistrocerus*) *neuvillei* (du Buysson): Meade-Waldo 1915: 486 (tax., Kenya, cat.), 490 (key).
Ancistrocerus neuvillei neuvillei (du Buysson): Gusenleitner & Gusenleitner 2010: 720 (cat., Kenya).

Ancistrocerus neuvillei stevensoni Giordani Soika 1936

Ancistrocerus neuvillei stevensoni Giordani Soika: Giordani Soika 1974a: 302 (South Africa), pl. 1 (right above).
Ancistrocerus neuvillei stevensoni Giordani Soika: Giordani Soika 1974b: 306 (key), 309 (tax., Lesotho, South Africa).
Ancistrocerus neuvillei stevensoni Giordani Soika: Borsato & Ratti 1999: 83 (cat.).

Ancistrocerus striativentris striativentris (Cameron 1910)

**Ancistrocerus zebra* (de Saussure): Bequaert 1933 (In: Benson et al.): 115 (Ethiopia partim).

Ancistrocerus striativentris dissimilis GIORDANI SOIKA 1974

Ancistrocerus striativentris dissimilis GIORDANI SOIKA: GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

Ancistrocerus striativentris elgonensis GIORDANI SOIKA 1960

Ancistrocerus striativentris elgonensis GIORDANI SOIKA: GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

Antepipona agnata GUSENLEITNER 2005

Antepipona agnata GUSENLEITNER: GUSENLEITNER 2010: 1023 (cat.).

Antepipona alboclypeus GUSENLEITNER 2004

Antepipona alboclypeus GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).
Antepipona alboclypeus GUSENLEITNER: GUSENLEITNER 2010: 1023 (cat.).

Antepipona albomarginata GUSENLEITNER 2001

Antepipona albomarginata GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).
Antepipona albomarginata GUSENLEITNER: GUSENLEITNER 2010: 1023 (cat.).

Antepipona asperategulae GUSENLEITNER 1997

Antepipona asperategulae GUSENLEITNER: GUSENLEITNER 2010: 1024 (cat.).

Antepipona assmanni GUSENLEITNER & GUSENLEITNER 2010

Antepipona assmanni nov.sp.: GUSENLEITNER & GUSENLEITNER 2010: 711 (descr. ♀, Kenya), 719 (figs 1-4), 720 (cat., Kenya), 720 (cat., Kenya).

D i s t r i b u t i o n : Kenya.

Antepipona aubrechti GUSENLEITNER & GUSENLEITNER 2010

Antepipona aubrechti nov.sp.: GUSENLEITNER & GUSENLEITNER 2010: 713 (descr. ♀, Kenya), 719 (figs 5-8), 720 (cat., Kenya), 720 (cat., Kenya).

D i s t r i b u t i o n : Kenya.

Antepipona carinata GUSENLEITNER 2005

Antepipona carinata GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).
Antepipona carinata GUSENLEITNER: GUSENLEITNER 2010: 1025 (cat.).

Antepipona cingulifera (WALKER 1871)

**Odynerus parvulus* LEPELETIER de SAINT-FARGEAU: MAGRETTI 1885: 293 (Eritrea), 316 (Ethiopia), 353 (cat.).

Antepipona conradsii (von SCHULTHESS 1913)

Odynerus (*Lionotus*) *conradsii* von SCHULTHESS: MEADE-WALDO 1915: 486 (Tanzania, cat.), 491 (key).
Antepipona conradsii (von SCHULTHESS): GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

Antepipona darfurensis GUSENLEITNER 2001

Antepipona darfurensis GUSENLEITNER: GUSENLEITNER 2010: 1026 (cat.).

Antepipona dauensis (MAGRETTI 1898)

Antepipona dauensis (MAGRETTI): GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

Antepipona defracta (du BUYSSON 1906)

Antepipona defracta (du BUYSSON): GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

Antepipona fervida (de SAUSSURE 1855)

Odynerus (*Lionotus*) *fervidus* de SAUSSURE: MEADE-WALDO 1915: 487 (Africa, cat.), 494 (key), pl. 91 (fig. 10).

Antepipona jocosa jocosa (GERSTAECKER 1871)

Antepipona jocosa jocosa (GERSTAECKER): GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).
**Odynerus* (*Lionotus*) *ukerewensis* von SCHULTHESS: MEADE-WALDO 1915: 487 (tax., Tanzania, cat.), 493 (key).

Antepipona jocosa tropicaloides GIORDANI SOIKA 1985

Antepipona jocosa tropicaloides GIORDANI SOIKA: DOLLFUSS 1990: 123 (Central African Republic).
**Antepipona* (*Rygchium*) *tropicalis* de SAUSSURE: BEQUAERT 1918: 130 (key), 183 (tax. descr. ♂ ♀, Democratic Republic of Congo), 184 (figs 198-202).
Distribution: Burkina Faso, Burundi, Central African Republic, Democratic Republic of Congo, Tanzania, Togo, Zambia.

Antepipona kassalensis GIORDANI SOIKA 1939

**Odynerus rhynchoides* de SAUSSURE: MAGRETTI 1884b: 619 (Sudan).
Odynerus rhynchoides de SAUSSURE: MAGRETTI 1885: 280 (Sudan), 353 (cat.).

Known from the Palearctic Region (Yemen).

Antepipona karibae karibae (MEADE-WALDO 1915)

Antepipona karibae karibae (MEADE-WALDO): GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

Antepipona metemmensis (MAGRETTI 1884)

Odynerus metemmensis MAGRETTI: MAGRETTI 1885: 316 (Ethiopia), 329 (Eritrea), 353 (cat.).

Antepipona monomotapa GUSENLEITNER 2001

Antepipona monomotapa GUSENLEITNER: GUSENLEITNER 2010: 1031 (cat.).

Antepipona montana GUSENLEITNER 1995

Antepipona montana GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).
Antepipona montana GUSENLEITNER: GUSENLEITNER 2010: 1032 (cat.).

Antepipona mucronata (de SAUSSURE 1862)

Antepipona mucronata (de SAUSSURE): DOLLFUSS 1990: 123 (Central African Republic).
Antepipona mucronata (de SAUSSURE): GUSENLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).

Distribution: Benin, Burkina Faso, Cameroon, Central African Republic, Democratic Republic of Congo, Eritrea, Gabon, Ghana, Guinea Bissau, Ivory Coast, Kenya, Nigeria, Republic of Guinea, Senegal, Sierra Leone, Togo.

Antepipona multimaculata GUSENLEITNER 2005

Antepipona multimaculata GUSENLEITNER: GUSENKLEITNER & GUSENLEITNER 2010: 720 (cat., Kenya).
Antepipona multimaculata GUSENLEITNER: GUSENLEITNER 2010: 1032 (cat.).

Antepipona nicotrae GIORDANI SOIKA 1985

Antepipona nicotrae GIORDANI SOIKA: GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

Antepipona pulchella (GERSTÄCKER 1857)

Antepipona pulchella (GERSTÄCKER): GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

Antepipona pulchripilosella (CAMERON 1910)

Odynerus (*Lionotus*) *pulchripilosellus* CAMERON: MEADE-WALDO 1915: 486 (Tanzania, cat.), 491 (key), 503 (tax.).
Antepipona pulchripilosella (CAMERON): GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

Antepipona quadrituberculata (SMITH 1857)

Odynerus (*Lionotus*) *quadrituberculatus* SMITH: MEADE-WALDO 1915: 486 (South Africa, cat.), 491 (key), 503 (tax.), pl. 91 (fig. 3).
**Odynerus senex* sp.nov.: CAMERON 1905d: 324 (descr. ♂, South Africa).

Antepipona rikatlensis (von SCHULTHESS 1914)

Odynerus (*Lionotus*) *rikatlensis* von SCHULTHESS: MEADE-WALDO 1915: 486 (Mozambique, cat.), 491 (key).

Antepipona rubicunda GUSENLEITNER 2001

Antepipona rubicunda GUSENLEITNER: GUSENLEITNER 2010: 1035 (cat.).

Antepipona scutellaris scutellaris GIORDANI SOIKA 1985

Antepipona scutellaris GIORDANI SOIKA: GESS 1996: 283 (app. 2: biol., South Africa), 288 (app. 2: biol., South Africa).

Antepipona scutellaris pallidior GIORDANI SOIKA 1985

Antepipona senegalensis (de SAUSSURE 1853)

Antepipona senegalensis (de SAUSSURE): GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

Antepipona sesquicincta (de SAUSSURE 1856)

Antepipona sesquicincta (de SAUSSURE): GESS 1996: 283 (app. 2: biol., South Africa), 297 (app. 2: biol., South Africa).

Antepipona silaos silaos (de SAUSSURE 1853)

Antepipona silaos silaos (de SAUSSURE): GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).
**Odynerus* (*Lionotus*) *silaensis* de SAUSSURE: MEADE-WALDO 1915: 487 (South Africa, cat.), 492 (key).

Antepipona silaos quartinae (GRIBODO 1884)

**Odynerus* (*Lionotus*) *asmarensis* von SCHULTHESS: MEADE-WALDO 1915: 487 (Eritrea, cat.), 492 (key), 507 (tax.).

Antepipona splendida GUSENLEITNER 2005

Antepipona splendida GUSENLEITNER: GUSENLEITNER 2010: 1038 (cat.).

Antepipona solstitialis solstitialis (de SAUSSURE 1856)

Odynerus solstitialis de SAUSSURE: MAGRETTI 1884b: 620 (Ethiopia).
Odynerus solstitialis de SAUSSURE: MAGRETTI 1885: 352 (Ethiopia), 353 (cat.).
Odynerus solstitialis de SAUSSURE: MEADE-WALDO 1915: 487 (tax., South Africa, cat.), 494 (key).

Distribution: Ethiopia, Mozambique, South Africa.

Antepipona stevensoniana (GIORDANI SOIKA 1963)

Antepipona stevensoniana (GIORDANI SOIKA): GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

Antepipona tricolor GUSENLEITNER 2005

Antepipona tricolor GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).
Antepipona tricolor GUSENLEITNER: GUSENLEITNER 2010: 1039 (cat.).

Antepipona tricolor is cited twice in Part I (p. 577 and 578).

Antepipona tropicalis (de SAUSSURE 1853)

Odynerus (*Lionotus*) *tropicalis* de SAUSSURE: MEADE-WALDO 1915: 487 (Ethiopia, cat.), 494 (key).

Antepipona vaalensis (CAMERON 1905)

Odynerus (*Lionotus*) *vaalensis* CAMERON: MEADE-WALDO 1915: 487 (tax., South Africa, cat.), 495 (key).

Antepipona zambiana GUSENLEITNER 2007

Antepipona zambiana GUSENLEITNER: GUSENLEITNER 2010: 1040 (cat.).

Anterhynchium (_Anterhynchium_) _aestuans_ (de SAUSSURE 1863)

Anterhynchium aestuans (de SAUSSURE): DOLLFUSS 1990: 123 (Central African Republic).

Distribution: Cameroon, Central African Republic, Democratic Republic of Congo, Equatorial Guinea, Gabon, Ivory Coast, Nigeria, Senegal, South Africa.

Anterhynchium (_Anterhynchium_) _auromaculatum_ (de SAUSSURE 1852)

Rhygchium auromaculatum n.sp.: de SAUSSURE 1852: 102 (key), 104 (descr. ♂ ♀, Senegal).
Rhygchium auromaculatum n.sp.: de SAUSSURE 1853: pl. 14 (fig. 1).

Anterhynchium (_Anterhynchium_) _dictatorium_ (GIORDANI SOIKA 1935)

Odynerus dictatorius GIORDANI SOIKA: TAEGER, GAEDIKE & BLANK 2005: 247 (tax., South Africa, cat.).

Anterhynchium (_Anterhynchium_) _grayi atratum_ (MOCSÀRY 1903)

**Rhynchium aestuans* de SAUSSURE var.: de SAUSSURE 1855: 155 (tax.).

Anterhynchium (_Anterhynchium_) _luctuosum_ (GERSTÄCKER 1857)

Anterhynchium (*Anterhynchium*) *luctuosum* (GERSTÄCKER): GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

Anterhynchium (_Anterhynchium_) _natalense rufius_ (GIORDANI SOIKA 1937)

Anterhynchium (_Anterhynchium_) _obscurum_ GUSENLEITNER 2007

Anterhynchium obscurum GUSENLEITNER: GUSENLEITNER 2010: 1033 (cat.).

Anterhynchium (_Anterhynchium_) _synagroide synagroide_ (de SAUSSURE 1852)

Rhynchium synagroides n.sp.: de SAUSSURE 1852: 102 (key), 103 (descr. ♂, Gabon).
Rhynchium synagroides n.sp.: de SAUSSURE 1853: pl. 14 (figs 2, 2a).
Rhynchium synagroides de SAUSSURE: de SAUSSURE 1890: 173 (key), 174 (descr. ♂ ♀, Gabon, Ivory Coast, South Africa), pl. 4 (figs 13 ♂ ♀).
Rhynchium synagroides var. *synagroides* de SAUSSURE: von SCHULTHEß 1923: 1 (tax.).
Anterhynchium synagroide (de SAUSSURE): DOLLFUSS 1990: 123 (Central African Republic).

Anterhynchium (*Anterhynchium*) *synagroide synagroide* (de SAUSSURE): GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

Distribution: Angola, Benin, Burkina Faso, Cameroon, Central African Republic, Democratic Republic of Congo, Equatorial Guinea, Eritrea, Ethiopia, Gabon, Gambia, Ghana, Guinea Bissau, Ivory Coast, Kenya, Mali, Mozambique, Nigeria, Republic of Congo, Republic of Guinea, Senegal, Sierra Leone, South Africa, Sudan, Tanzania, Uganda, Zimbabwe.

Known from the Palearctic Region.

Anterhynchium (*Anterhynchium*) *synagroide alpha* (von SCHULTHEß 1923)

Rhynchium synagroide alpha nov.var.: von SCHULTHEß 1923: 1 (descr. ♂ ♀, Mozambique, Zambia).
Anterhynchium (*Anterhynchium*) *synagroide alpha* (von SCHULTHEß): GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

Anterhynchium (*Anterhynchium*) *synagroide sulphureomaculatum* (von SCHULTHEß 1928)

Antodynerus ardens ardens (GUÉRIN MENNEVILLE 1848)

Odynerus ardens GUÉRIN MENNEVILLE: GUIGLIA 1948: 177 (tax., Ethiopia, cat.).
Antodynerus ardens (GUÉRIN MENNEVILLE): DOLLFUSS 1990: 123 (Central African Republic).

Antodynerus cnemophilus cnemophilus (CAMERON 1910)

Odynerus (*Lionotus*) *cnemophilus* CAMERON: MEADE-WALDO 1915: 487 (Tanzania, cat.), 495 (key).

Antodynerus coenii (GIORDANI SOIKA 1934)

Rhynchium laterale (FABRICIUS): WALKER 1871: 31 (Eritrea).
Rygchium laterale (FABRICIUS): MAGRETTI 1884b: 614 (Ethiopia).
Rygchium laterale (FABRICIUS): MAGRETTI 1885: 316 (Ethiopia), 353 (cat.).

Antodynerus desperatus (BEQUAERT 1918)

Odynerus (*Rygchium*) *desperatus* n.sp.: BEQUAERT 1918: 132 (key), 166 (descr. ♂ ♀, biol., Democratic Republic of Congo), 167 (figs 178-182), 297 (cat.).

Antodynerus effossoides effossoides GIORDANI SOIKA 1989

Antodynerus effossoides effossoides GIORDANI SOIKA: GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

Antodynerus effosus GIORDANI SOIKA 1989

Antodynerus effosus GIORDANI SOIKA: GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

Antodynerus gribodoi (von SCHULTHESS RECHBERG 1922)

Rhynchium gribodoi n.sp.: von SCHULTHESS RECHBERG 1922: 33 (key), 39 (descr. ♂, figs 11, 12, Botswana, Zambia).

D i s t r i b u t i o n : Botswana, Democratic Republic of Congo, Mozambique, Republic of Congo, Tanzania, Zambia.

Antodynerus indecorus (CAMERON 1910)

Odynerus (*Lionotus*) *indecorus* CAMERON: MEADE-WALDO 1915: 488 (South Africa, cat.), 497 (key).

Antodynerus infucatus (GIORDANI SOIKA 1935)

Odynerus infucatus GIORDANI SOIKA: TAEGER, GAEDIKE, BLANK 2005: 248 (tax., Sao Thomé, South Africa, Zimbabwe, cat.).

Antodynerus lugubris (MEADE-WALDO 1915)

Odynerus (*Rygchium*) *lugubris* MEADE-WALDO: BEQUAERT 1918: 181 (tax.), 304 (tax., cat.).

Antodynerus magadensis (GIORDANI SOIKA 1937)

Antodynerus magadensis (GIORDANI SOIKA): GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

Antodynerus multicolor multicolor (de SAUSSURE 1853)

Antodynerus multicolor (de SAUSSURE): DOLLFUSS 1990: 123 (Central African Republic).
Antodynerus multicolor (de SAUSSURE): GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).
**Odynerus* (*Lionotus*) *meruensis* CAMERON: MEADE-WALDO 1915: 488 (Tanzania, cat.), 497 (tax.).
**Odynerus* (*Lionotus*) *rotundiscutis* CAMERON: MEADE-WALDO 1915: 488 (Tanzania, cat.), 497 (key).

D i s t r i b u t i o n : Burkina Faso, Central African Republic, Democratic Republic of Congo, Gambia, Kenya, Malawi, Mali Mozambique, Nigeria, Senegal, South Africa, Tanzania, Zimbabwe.

Antodynerus radialis radialis (de SAUSSURE 1855)

Antodynerus radialis radialis (de SAUSSURE): GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

Antodynerus radialis flavozonatus (GIORDANI SOIKA 1940)

Antodynerus radialis flavozonatus (GIORDANI SOIKA): GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

Antodynerus spoliatus spoliatus (CAMERON 1910)

Antodynerus spoliatus (CAMERON): GESS 1996: 283 (app. 2: biol., South Africa).
Antodynerus spoliatus spoliatus (CAMERON): GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

Antodynerus versicolor picturatus (BEQUAERT 1918)

Antodynerus stiraspis (CAMERON 1910)

Odynerus (*Lionotus*) *stiraspis* CAMERON: MEADE-WALDO 1915: 487 (Tanzania, cat.), 488 (Tanzania, cat.), 492 (key), 496 (key).

Antodynerus wellmani (MEADE-WALDO 1910)

Odynerus (*Lionotus*) *wellmani* MEADE-WALDO: MEADE-WALDO 1915: 488 (tax., Angola, cat.), 497 (key).

Carinstrocerus dolorans (GIORDANI SOIKA 1935)

Carinstrocerus dolorans (GIORDANI SOIKA): GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

Genus *Catilostenus* MEUNIER 1888

We classify the genus and *Catilostenus nigroviolaceus* MEUNIER 1888 as incertae sedis.

Chlorodynerus chloroticus (SPINOLA 1838)

Odynerus chloroticus SPINOLA: MAGRETTI 1885: 276 (Sudan), 353 (cat.).

Chlorodynerus somalus GIORDANI SOIKA 1957

Chlorodynerus somalus GIORDANI SOIKA: GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

Convextrocerus namibicus GUSENLEITNER 2001

Convextrocerus namibicus GUSENLEITNER: GUSENLEITNER 2010: 1032 (cat.).

Convextrocerus nitidissimus (GIORDANI SOIKA 1936)

Convextrocerus nitidissimus (GIORDANI SOIKA): GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

Cyphodynerus bisellatus (von SCHULTHESS 1914)

Odynerus (*Lionotus*) *bisellatus* (von SCHULTHESS): MEADE-WALDO 1915: 486 (Mozambique, cat.), 491 (key), pl. 91 (fig. 2).

Cyphodynerus rubroniger (BINGHAM 1902)

Odynerus (*Lionotus*) *rubroniger* BINGHAM: MEADE-WALDO 1915: 487 (tax., South Africa, cat.), 491 (key).

Cyrtolabulus angustatus GUSENLEITNER 2004

Cyrtolabulus angustatus GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).
Cyrtolabulus angustatus GUSENLEITNER: GUSENLEITNER 2010: 1024 (cat.).

Cyrtolabulus caputabnormis GUSENLEITNER 2000

Cyrtolabulus caputabnormis GUSENLEITNER: GUSENLEITNER 2010: 1025 (cat.).

Cyrtolabulus bimaculatus GUSENLEITNER 2000

Cyrtolabulus bimaculatus GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).
Cyrtolabulus bimaculatus GUSENLEITNER: GUSENLEITNER 2010: 1024 (cat.).

Cyrtolabulus conspicuus GUSENLEITNER 1999

Cyrtolabulus conspicuus GUSENLEITNER: GUSENLEITNER 2010: 1025 (cat.).

Cyrtolabulus garambensis (BEQUAERT 1918)

Cyrtolabulus garambensis (BEQUAERT): DOLLFUSS 1990: 123 (Central African Republic).

Distribution: Burkina Faso, Central African Republic, Democratic Republic of Congo, Gambia, Ivory Coast, Mali, Niger, Senegal.

Cyrtolabulus mauretanicus GUSENLEITNER 2006

Cyrtolabulus mauritanicus (sic) GUSENLEITNER: GUSENLEITNER 2010: 1031 (cat.).

Cyrtolabulus metatarsalis GUSENLEITNER 1998

Cyrtolabulus metatarsalis GUSENLEITNER: GUSENLEITNER 2010: 1031 (cat.).

Cyrtolabulus nigerrimus GUSENLEITNER 2002

Cyrtolabulus nigerrimus GUSENLEITNER: GUSENLEITNER 2010: 1032 (cat.).

Cyrtolabulus rauschi GUSENLEITNER 1999

Cyrtolabulus rauschi GUSENLEITNER: GUSENLEITNER 2010: 1035 (cat.).

Cyrtolabulus rhodensiensis (GIORDANI SOIKA 1944)

Cyrtolabulus soikai GUSENLEITNER 1999

Cyrtolabulus soikai GUSENLEITNER: GUSENLEITNER 2010: 1037 (cat.).

Cyrtolabulus striaticlypeus GUSENLEITNER 2002

Cyrtolabulus soikai GUSENLEITNER: GUSENLEITNER 2010: 1038 (cat.).

Cyrtolabulus ulricae GUSENLEITNER 1999

Cyrtolabulus ulricae GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).
Cyrtolabulus ulricae GUSENLEITNER: GUSENLEITNER 2010: 1039 (cat.).

Cyrtolabulus zethiformis (GIORDANI SOIKA 1958)

Cyrtolabulus zethiformis (GIORDANI SOIKA): GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

Delta caffrum (a LINNÉ 1767)

Vespa caffra n.sp.: a LINNÉ 1767: 951 (descr., South Africa).
Eumenes caffer (a LINNÉ): RISBEC 1951: 352 (Senegal).
Delta caffer (a LINNÉ): DELVARE 1988: 138 (Senegal), 140 (Senegal).
Delta caffer (a LINNÉ): GESS 1996: 268 (app. 2: biol., South Africa), 271 (app. 2: biol., South Africa), 273 (app. 2: biol., South Africa), 288 (app. 2: biol., South Africa), 294 (app. 2: biol., South Africa), 295 (app. 2: biol., South Africa), 296 (app. 2: biol., South Africa), 298 (app. 2: biol., South Africa).
Delta caffrum caffrum (a LINNÉ): GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).
**Vespa crucigera* n.sp.: LICHTENSTEIN 1796: 202 (descr., South Africa).
Vespa cratiata (sic) LICHTENSTEIN: WEBER 1801: 101 (tax., South Africa).
**Eumenes* sp.: Risbec 1951: 338 (Senegal).
**guêpes*: DELVARE 1988: 138 (Senegal).

D i s t r i b u t i o n : Chad, Djibouti, Eritrea, Kenya, Mauritania, Namibia, Niger, South Africa, Senegal, Sudan.

The correct name of the author is a Linné.

Delta concinnum (de SAUSSURE 1855)

Delta concinnum (de SAUSSURE): GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

Delta dimidiatipenne (de SAUSSURE 1852)

Eumenes dimidiatipennis de SAUSSURE: DIXEY 1907: 335 (South Africa).

Delta emarginatum (LINNAEUS 1758)

Vespa emarginata Linnaeus: a LINNÉ 1767: 952 (descr., America).
Vespa emarginata DEGEER: GUÉRIN-MÉNEVILLE 1798: pl. 100 (fig. 7).
Delta emarginatum (LINNAEUS): DOLLFUSS 1990: 123 (Central African Republic).
Delta emarginatum (LINNAEUS): GESS 1996: 268 (app. 2: biol., South Africa), 295 (app. 2: biol., South Africa), 298 (app. 2: biol., South Africa).
Delta emarginatum emarginatum (LINNAEUS): GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).
**Vespa maxillosa* n.sp.: DEGEER 1753: 577 (descr., Surinam), pl. 29 (figs 1, 2).
Delta maxillosus maxillosus DEGEER: VESEY-FITZGERALD 1940: 35 (Tanzania (Mafia)).
**Vespa capensis* n.sp.: a LINNÉ 1767: 952 (descr., South Africa).

D i s t r i b u t i o n : Botswana, Burkina Faso, Burundi, Cameroon, Cape Verde, Central African Republic, Chad, "Congo", Democratic Republic of Congo, Equatorial Guinea, Eritrea, Ethiopia, Gabon, Gambia, Ivory Coast, Kenya (Kenya, Pate), Liberia, Malawi, Mali, Mauritania, Mozambique, Namibia, Niger, Nigeria, Rwanda, Senegal, Sierra Leone, Somalia, South Africa, Sudan, Tanzania (Tanzania, Mafia), Togo, Uganda, Zambia, Zimbabwe.

Known from the Palearctic Region. In the Malagasy Subregion recorded from Seychelles (Aldabra, Assumption, Astove, Cosmoledo), Comoros (Grande Comore, Anjouan), Mayotte and Madagascar.

The correct name of the author under *Vespa capensis* is a Linné.

Delta fenestrale (de SAUSSURE 1852)

Eumenes fenestralis de SAUSSURE: RILEY 1893: 567 (Congo).
Delta fenestrale (de SAUSSURE): GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

Delta higletti rendalli (BINGHAM 1902)

Delta higletti rendalli (BINGHAM): DOLLFUSS 1990: 123 (Central African Republic).

Distribution: Central African Republic Democratic Republic of Congo, Ivory Coast, Malawi, South Africa, Zimbabwe.

Delta hottentotum hottentotum (de SAUSSURE 1852)

Delta hottentotum hottentotum (de SAUSSURE): DOLLFUSS 1990: 123 (Central African Republic).
Delta hottentotum (de SAUSSURE): GESS 1996: 297 (app. 2: biol., South Africa), 298 (app. 2: biol., South Africa).

Delta hottentottum berlandi (GIORDANI SOIKA 1934)

**Eumenes dyschera* de SAUSSURE var.: DIXEY 1907: 343 (Zimbabwe).

Delta lepeletierii lepeletierii (de SAUSSURE 1852)

Delta lepeletierii lepeletierii (de SAUSSURE): GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

Delta lepeletierii pilosellum (GIORDANI SOIKA 1982)

Delta lepeletierii pilosellum (GIORDANI SOIKA): GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

Delta tropicale (de SAUSSURE 1852)

Delta tropicale (de SAUSSURE): DOLLFUSS 1990: 123 (Central African Republic).

Ectopioglossa borsatoi (GIORDANI SOIKA 1996)

Ectopioglossa borsatoi (GIORDANI SOIKA): GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

Emeryrhynchium emeryanum (GRIBODO 1892)

Eumenes acuminatus de SAUSSURE 1855

Eumenes acuminatus de SAUSSURE: GESS 1996: 283 (app. 2: biol., South Africa).

Eumenes (*Eumenes*) *fuellebornianus fuellebornianus* von SCHULTHESS RECHBERG 1910

Eumenes fuellebornianus von SCHULTHESS RECHBERG: DOLLFUSS 1990: 123 (Central African Republic).
Eumenes (*Eumenes*) *fuellebornianus fuellebornianus* von SCHULTHESS RECHBERG: GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

D i s t r i b u t i o n : Central African Republic, Kenya, Mozambique, Nigeria, Tanzania (Tanzania, Zanzibar), Uganda, Zimbabwe.

***Eumenes* (*Eumenes*) *gribodianus gribodianus* GUIGLIA 1933**

Eumenes (*Eumenes*) *gribodianus gribodianus* GUIGLIA: GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

***Eumenes* (*Eumenes*) *lucasius* de SAUSSURE 1852**

Eumenes lucasius de SAUSSURE: DIXEY 1907: 345 (Zimbabwe).

***Eumenes* (*Eumenes*) *peringueyanus* von SCHULTHESS-RECHBERG 1913**

Eumenes péringeyanus n.sp.: von SCHULTHESS-RECHBERG 1913a: 2 (descr. ♀, South Africa).

The correct species name is *peringueyanus*, because the species is dedicated to Péringuey.

***Euodynerus* (*Euodynerus*) *albomaculatus* GUSENLEITNER 2000**

Euodynerus (*Euodynerus*) *albomaculatus* GUSENLEITNER: GUSENLEITNER 2010: 1023 (cat.).

***Euodynerus* (*Euodynerus*) *infinitus* GUSENLEITNER 2007**

Euodynerus (*Euodynerus*) *infinitus* GUSENLEITNER: GUSENLEITNER 2010: 1028 (cat.).

***Gibberhynchium masariforme* (GIORDANI SOIKA 1934)**

**Gibberhynchium gibber* GUSENLEITNER: GUSENLEITNER 2010: 1027 (cat.).

***Eumenes* (*Eumenes*) *micropunctatus flavolimbatus* GIORDANI SOIKA 1975**

Eumenes (*Eumenes*) *micropunctatus flavolimbatus* GIORDANI SOIKA: GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

***Eumenes* (*Eumenes*) *micropunctatus kenyaensis* GIORDANI SOIKA 1975**

Eumenes (*Eumenes*) *micropunctatus kenyaensis* GIORDANI SOIKA: GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).

***Eustenancistrocerus* (*Hemistenancistrocerus*) *pharao* (de SAUSSURE 1863)**

Ancistrocerus (*Ancistrocerus*) *pharao* (de SAUSSURE): GIORDANI SOIKA 1936a: 34 (key), 40 (tax., Eritrea, Ethiopia, Sudan).
Odynerus* (*Ancistrocerus*) *roubaudi* n.sp.: BEQUAERT 1916: 90 (descr. ♂ ♀, biol., Mali). **new synonym

***Extreuodynerus mirificus* GUSENLEITNER 2007**

Extreuodynerus mirificus GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 721 (cat., Kenya).
Extreuodynerus mirificus GUSENLEITNER: GUSENLEITNER 2010: 1031 (cat.).

Gioiella katonai (von SCHULTHESS 1913)

Gioiella katonai (von SCHULTHESS): GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

Gioiella kristenseni (MEADE-WALDO 1915)

Gioiella kristenseni (MEADE-WALDO): GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

Globepipona zairensis GUSENLEITNER 1998

Globepipona zairensis GUSENLEITNER: GUSENLEITNER 2010: 1040 (cat.).

Interzumia rufonigra GUSENLEITNER 2002

Interzumia rufonigra GUSENLEITNER: GUSENLEITNER 2010: 1036 (cat.).

Katamenes macrocephalus macrocephalus (de SAUSSURE 1853)

Katamenes macrocephalus (de SAUSSURE): GESS 1996: 273 (app. 2: biol., South Africa).
Katamenes macrocephalus macrocephalus (de SAUSSURE): GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).
*_Eumenes arbustorum_ (PANZER): BEQUAERT 1918: 275 (tax., cat.).

Katamenes macrocephalus fenestraloides (GIORDANI SOIKA 1939) new combination

Knemodynerus conspicuus (GUSENLEITNER 1999)

Knemodynerus conspicuus GUSENLEITNER: GUSENLEITNER 2010: 1025 (cat.).

Knemodynerus expressus (GIORDANI SOIKA 1934)

Pseudepipona (_Euodynerus_) _expressa_ (GIORDANI SOIKA): BORSATO & RATTI 1999: 84 (tax., cat.).

Knemodynerus inversus GUSENLEITNER 2004

Knemodynerus inversus GUSENLEITNER: GUSENLEITNER 2010: 1029 (cat.).

Knemodynerus turneri (GIORDANI SOIKA 1934)

Pseudepipona (_Euodynerus_) _turneri_ (GIORDANI SOIKA): BORSATO & RATTI 1999: 85 (tax., cat.).

Lamellodynerus nigrofulvus GUSENLEITNER 1999

Lamellodynerus nigrofulvus GUSENLEITNER: GUSENLEITNER 2010: 1033 (cat.).

Leptochilus (_Neoleptochilus_) _tuareg_ GUSENLEITNER 2006

Leptochilus (_Neoleptochilus_) _tuareg_ GUSENLEITNER: GUSENLEITNER 2010: 1039 (cat.).

Leptomenes major GIORDANI SOIKA 1939

Leptomenes major GIORDANI SOIKA: GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

Leptomenes pulawskii GUSENLEITNER 1997

Leptomenes pulawskii GUSENLEITNER: GUSENLEITNER 2010: 1034 (cat.).

Leptomenes stevensoni GIORDANI SOIKA 1939

Leptomenes stevensoni GIORDANI SOIKA: GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

Micreumenes adelphus (MEADE-WALDO 1911)

Micreumenes adelphus (MEADE-WALDO): GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).
**Hymenosmithia urundiensis* (GIORDANI SOIKA): MEDLER 1980: 476 (tax., cat., Nigeria).

Micreumenes annulipes CAMERON 1910

Micreumenes annulipes CAMERON: GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

Micreumenes brevicornis GUSENLEITNER 2005

Micreumenes brevicornis GUSENLEITNER: GUSENLEITNER 2010: 1024 (cat.).

Micreumenes crassipunctatus GUSENLEITNER 2000

Micreumenes crassipunctatus GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).
Micreumenes crassipunctatus GUSENLEITNER: GUSENLEITNER 2010: 1026 (cat.).

Micreumenes glaber glaber GIORDANI SOIKA 1983

Micreumenes glaber glaber GIORDANI SOIKA: GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

Micreumenes kenyaensis GUSENLEITNER 2000

Micreumenes kenyaensis GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).
Micreumenes kenyaensis GUSENLEITNER: GUSENLEITNER 2010: 1029 (cat.).

Micreumenes marci GUSENLEITNER 2000

Micreumenes marci GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).
Micreumenes marci GUSENLEITNER: GUSENLEITNER 2010: 1031 (cat.).

Micreumenes microspinae GUSENLEITNER 2000

Micreumenes microspinae GUSENLEITNER: GUSENLEITNER 2010: 1031 (cat.).

Micreumenes mutarensis GUSENLEITNER 2002

Micreumenes mutarensis GUSENLEITNER: GUSENLEITNER 2010: 1032 (cat.).

Micreumenes natalensis (de SAUSSURE 1855)

Labus natalensis (de SAUSSURE): VESEY-FITZGERALD 1940: 35 (Tanzania (Mafia)).

Distribution: Angola, Democratic Republic of Congo, South Africa, Tanzania (Tanzania, Mafia), Zimbabwe.

Micreumenes nigerrimus GUSENLEITNER 2000

Micreumenes nigerrimus GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).
Micreumenes nigerrimus GUSENLEITNER: GUSENLEITNER 2010: 1032 (cat.).

Micreumenes obscurus GUSENLEITNER 2000

Micreumenes obscurus GUSENLEITNER: GUSENLEITNER 2010: 1033 (cat.).

Micreumenes perversus GIORDANI SOIKA 1989

Micreumenes perversus GIORDANI SOIKA: GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

Micreumenes petri GUSENLEITNER 2000

Micreumenes petri GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).
Micreumenes petri GUSENLEITNER: GUSENLEITNER 2010: 1034 (cat.).

Micreumenes ruficlypeus GUSENLEITNER 1998

Micreumenes ruficlypeus GUSENLEITNER: GUSENLEITNER 2010: 1036 (cat.).

Micreumenes separandus GUSENLEITNER 2002

Micreumenes separandus GUSENLEITNER: GUSENLEITNER 2010: 1036 (cat.).

Micreumenes snellingi GUSENLEITNER 2002

Micreumenes snellingi GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).
Micreumenes snellingi GUSENLEITNER: GUSENLEITNER 2010: 1037 (cat.).

Micreumenes subtilis GUSENLEITNER 2007

Micreumenes subtilis GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).
Micreumenes subtilis GUSENLEITNER: GUSENLEITNER 2010: 1038 (cat.).

Micreumenes voiensis GUSENLEITNER 2000

Micreumenes voiensis GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).
Micreumenes voiensis GUSENLEITNER: GUSENLEITNER 2010: 1039 (cat.).

Odynerus guineensis de SAUSSURE 1858

Odynerus guineensis n.sp.: de SAUSSURE 1858: 167 (descr. ♀, Guinea).
Odynerus guineensis de SAUSSURE: de DALLA TORRE 1894: 71 (cat. partim).

Odynerus (*Microdynerus*) *guineensis* de SAUSSURE: von DALLA TORRE 1904: 46 (tax., cat. partim).
Odynerus (*Rygchium*) *guineensis* de SAUSSURE: BEQUAERT 1918: 300 (tax., cat. partim).

Distribution: "Guinea".

Odynerus guineensis de SAUSSURE 1863

Odynerus guineensis n.sp.: de SAUSSURE 1863: 227 (descr. ♀, Guinea).
Odynerus guineensis de SAUSSURE: de DALLA TORRE 1894: 71 (cat. partim).
Odynerus (*Microdynerus*) *guineensis* de SAUSSURE: von DALLA TORRE 1904: 46 (tax., cat. partim).
Odynerus (*Rygchium*) *guineensis* de SAUSSURE: BEQUAERT 1918: 300 (tax., cat. partim).

Distribution: "Guinea".

Odynerus guineensis de SAUSSURE 1863 is a junior homonym of *Odynerus guineensis* de SAUSSURE 1858.

Odynerus hottentotus (de SAUSSURE 1855)

Odynerus hottentotus (de SAUSSURE): GIORDANI SOIKA 1961: 445 (tax., South Africa)
Odynerus hottentotus de SAUSSURE: GIORDANI SOIKA 1987: 178 (tax., South Africa).

Omicrabulus punctatissimus GUSENLEITNER 2000

Omicrabulus punctatissimus GUSENLEITNER: GUSENLEITNER 2010: 1035 (cat.).

Omicrabulus saganensis saganensis (GIORDANI SOIKA 1944)

Omicrabulus saganensis saganensis (GIORDANI SOIKA): GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

Omicrabulus saganensis corruptus (GIORDANI SOIKA 1987)

Omicrabulus saganensis corruptus (GIORDANI SOIKA): GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

Ovodynerus ashtonensis GUSENLEITNER 2005

Ovodynerus ashtonensis GUSENLEITNER: GUSENLEITNER 2010: 1024 (cat.).

Ovodynerus leviclypeus GUSENLEITNER 1999

Ovodynerus leviclypeus GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).
Ovodynerus leviclypeus GUSENLEITNER: GUSENLEITNER 2010: 1030 (cat.).

Ovodynerus sjoestedti (CAMERON 1910)

Ovodynerus sjoestedti (CAMERON): GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

Ovodynerus tricoloratus GUSENLEITNER 2003

Ovodynerus tricoloratus GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).
Ovodynerus tricoloratus GUSENLEITNER: GUSENLEITNER 2010: 1039 (cat.).

Ovodynerus yngvei (CAMERON 1910)

Ovodynerus yngvei CAMERON: GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

Paramischocyttarus buyssoni GRIBODO 1896

Paramischocyttarus buyssoni GRIBODO: DOLLFUSS 1990: 123 (Central African Republic).
Paramischocyttarus buyssoni GRIBODO: GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

D i s t r i b u t i o n : Burkina Faso, Burundi, Central African Republic, Chad, Democratic Republic of Congo, Ethiopia, Gabon, Gambia, Ghana, Ivory Coast, Kenya, Malawi, Mozambique, Namibia, Niger, Nigeria, Republic of Congo, Senegal, South Africa, Tanzania, Togo, Uganda, Zambia, Zimbabwe.

Paramischocyttarus lacuum STADELMANN 1898

Paramischocyttarus lacuum STADELMANN: GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

Paravespa (*Gestrodynerus*) *africana* CARPENTER, GUSENLEITNER & MADL 2010

Paravespa africana CARPENTER, GUSENLEITNER & MADL: GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

Paravespa (*Gestrodynerus*) *gestroi problematica* GIORDANI SOIKA 1960

Paravespa (*Gestrodynerus*) *gestroi problematica* GIORDANI SOIKA: GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

Paravespa (*Gestrodynerus*) *nairobiensis* (GIORDANI SOIKA 1935)

Paravespa (*Gestrodynerus*) *nairobiensis* GIORDANI SOIKA: GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

Paravespa (*Gestrodynerus*) *pretoriensis* (GIORDANI SOIKA 1935)

Odynerus gestroi var. *pretoriensis* GIORDANI SOIKA: TAEGER, GAEDIKE & BLANK 2005: 249 (tax., South Africa, cat.).

Paravespa (*Gestrodynerus*) *spinigera spinigera* (von SCHULTHESS 1914)

Paravespa (*Gestrodynerus*) *spinigera spinigera* (von SCHULTHESS): GIORDANI SOIKA 1983: 98 (tax., cat.).

Paravespa (*Gestrodynerus*) *spinigera ditior* (GIORDANI SOIKA 1935)

Paravespa (*Gestrodynerus*) *spinigera* ssp. *ditior* (GIORDANI SOIKA): GIORDANI SOIKA 1983: 98 (tax., cat.).

Paravespa (*Gestrodynerus*) *violaceipennis* GIORDANI SOIKA 1960

The correct species name in all citations is *violaceipennis*.

Paravespa (*Gestrodynerus*) *zebroides* (MEADE-WALDO 1915)

Paravespa (*Gestrodynerus*) *zebroides* (MEADE-WALDO): GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

Pareumenes (*Brachyparmenes*) *punctatissimus* GIORDANI SOIKA 1987

Pareumenes (*Brachyparmenes*) *punctatissimus* GIORDANI SOIKA: GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

Proepipona falcata (TULLGREN 1904)

Proepipona falcata (TULLGREN): DOLLFUSS 1990: 123 (Central African Republic).
Proepipona falcata (TULLGREN): GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

Distribution: Cameroon, Central African Republic, Democratic Republic of Congo, Equatorial Guinea, Gabon, Ivory Coast, Kenya, Nigeria, Tanzania.

Proepipona lateralis lateralis (FABRICIUS 1781)

Rhynchium laterale (FABRICIUS): ZAVATTARI 1911: 4 (Sierra Leone).
Proepipona lateralis (FABRICIUS): DOLLFUSS 1990: 123 (Central African Republic).

Proepipona lateralis marginiscutis (CAMERON 1910)

**Odynerus* (*Rygchium*) *lateralis* var. *unicolor* von SCHULTHESS: VESEY-FITZGERALD 1940: 35 (Tanzania (Mafia).
**Rhynchium gribodoi* n.sp.: von SCHULTHESS RECHBERG 1922: 39 (Zambia).
Rhynchium gribodoi von SCHULTHESS RECHBERG: BLÜTHGEN 1940: 45 (syn. of *Odynerus lateralis* var. *unicolor*).

Distribution: Burundi, Democratic Republic of Congo, Mozambique, Namibia, South Africa, Tanzania (Tanzania, Mafia), Zambia.

Propepipona meadewaldoi (GIORDANI SOIKA 1940)

Propepipona meadewaldoi (GIORDANI SOIKA): GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

Pseudochilus asmarensis GIORDANI SOIKA 1935

Pseudochilus asmarensis GIORDANI SOIKA: GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).

Pseudodontodynerus schwarzi GUSENLEITNER 2009

Pseudodontodynerus schwarzi GUSENLEITNER: GUSENLEITNER 2010: 1036 (cat.).

Pseudonortonia gambiensis (MEADE-WALDO 1911)

Pseudonortonia gambiensis (MEADE-WALDO): DOLLFUSS 1990: 123 (Central African Republic).

Distribution: Burkina Faso, Central African Republic, Democratic Republic of Congo, Gambia, Ghana, Malawi, Mali, Nigeria, Senegal, Togo.

Pseudonortonia kibonotensis kibonotensis (CAMERON 1910)

Pseudonortonia kibonotensis kibonotensis (CAMERON): GUSENLEITNER & GUSENLEITNER 2010: 722 (cat., Kenya).
Ancistrocerus zairensis ferrugineopetiolatus* n.var.: GIORDANI SOIKA 1934: 368 (descr. ♂ ♀, Guinea Bissau, Sudan). **new synonym

D i s t r i b u t i o n : Democratic Republic of Congo, Eritrea, Ethiopia, Gabon, Gambia, Ghana, Guinea Bissau, Kenya, Mali, Nigeria, Senegal, Somalia, Sudan, Tanzania, Togo, Uganda, Zambia, Zimbabwe.

Pseudonortonia parvula (de SAUSSURE 1852)

All citations should be correctly placed in *Eustenancistrocerus* (*Hemistenancistrocerus*) *pharao* (de SAUSSURE 1863). Therefore this species is deleted from the species list.

Pseudonortonia rubrosignata GUSENLEITNER 1992

Pseudonortonia rubrosignata GUSENLEITNER: GUSENLEITNER 2010: 1036 (cat.).

Pseudonortonia rufoquadripustulata (CAMERON 1910)

Pseudonortonia rufoquadripustulata (CAMERON): GUSENLEITNER & GUSENLEITNER 2010: 723 (cat., Kenya).

Pseudonortonia soror (KOHL 1906)

Pseudonortonia soror (KOHL): DOLLFUSS 1990: 123 (Central African Republic).

D i s t r i b u t i o n : Central African Republic, Democratic Republic of Congo (?), Somalia (?), South Africa).

Pseudonortonia tenuis GUSENLEITNER 2002

Pseudonortonia tenuis GUSENLEITNER: GUSENLEITNER 2010: 1038 (cat.).

Pseudonortonia tricarinulata (BEQUAERT 1918)

Pseudonortonia tricarinulata (BEQUAERT): GUSENLEITNER & GUSENLEITNER 2010: 723 (cat., Kenya).

Pteromenes paradisiacus (GIORDANI SOIKA 1941)

Pteromenes paradisiacus (GIORDANI SOIKA): GUSENLEITNER & GUSENLEITNER 2010: 723 (cat., Kenya).

Raphiglossa flavoornata CAMERON 1905

Raphiglossa flavoornata CAMERON: GESS 1996: 277 (app. 2: biol., South Africa), 278 (app. 2: biol., South Africa), 288 (app. 2: biol., South Africa), 290 (app. 2: biol., South Africa), 297 (app. 2: biol., South Africa).

Raphiglossa natalensis (SMITH 1857)

Raphiglossa natalensis (SMITH): GESS 1996: 268 (app. 2: biol., South Africa), 288 (app. 2: biol., South Africa), 290 (app. 2: biol., South Africa), 292 (app. 2: biol., South Africa), 293 (app. 2: biol., South Africa).

Genus *Raphiglossoides* GIORDANI SOIKA 1936

Synonym: *Gibbodynerus* GUSENLEITNER 2000. **new synonym**

Raphiglossoides aethiopicus GIORDANI SOIKA 1936

**Raphiglossoides gibbus* GUSENLEITNER: GUSENLEITNER 2010: 1027 (cat.).

Raphiglossoides minutus GUSENLEITNER 2000

Raphiglossoides minutus GUSENLEITNER: GUSENLEITNER 2010: 1031 (cat.).

Rhynchagris vicaria luteopicta MAIDL 1914

Rhynchagris vicaria luteopicta MAIDL: GUSENLEITNER & GUSENLEITNER 2010: 723 (cat., Kenya).

Rhynchalastor auratipennis (GIORDANI SOIKA 1934)

Stenodyneroides auratipennis (GIORDANI SOIKA): GUSENLEITNER & GUSENLEITNER 2010: 723 (cat., Kenya).

Rhynchalastor caudalis (GIORDANI SOIKA 1934)

Stenodyneroides caudalis (GIORDANI SOIKA): GUSENLEITNER & GUSENLEITNER 2010: 723 (cat., Kenya).

Rhynchalastor carinatus (GUSENLEITNER 2006)

Stenodyneroides carinatus GUSENLEITNER: GUSENLEITNER 2010: 1025 (cat.).

Rhynchalastor corvus corvus (MEADE-WALDO 1915)

Stenodyneroides corvus corvus (MEADE-WALDO): GUSENLEITNER & GUSENLEITNER 2010: 723 (cat., Kenya).

Rhynchalastor flavofasciatus (GUSENLEITNER 2006)

Stenodyneroides flavofasciatus GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 723 (cat., Kenya).
Stenodyneroides flavofasciatus GUSENLEITNER: GUSENLEITNER 2010: 1027 (cat.).

Rhynchalastor fuscipennis fuscipennis (MEADE-WALDO 1910)

Rhynchalastor fuscipennis MEADE-WALDO: PERKINS 1914: 563 (tax.).
Rhynchalastor fuscipennis MEADE-WALDO: VESEY-FITZGERALD 1940: 35 (Tanzania (Mafia)).

Rhynchalastor luteatus (GUSENLEITNER 2006)

Stenodyneroides luteatus GUSENLEITNER: GUSENLEITNER 2010: 1030 (cat.).

Rhynchalastor sorex sorex (GUSENLEITNER 2006)

Stenodyneroides sorex GUSENLEITNER: GUSENLEITNER 2010: 1037 (cat.).

Rhynchalastor sorex luteoflavofasciatus (GUSENLEITNER 2006)

Stenodyneroides sorex luteoflavofasciatus GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 723 (cat., Kenya).
Stenodyneroides sorex luteoflavofasciatus GUSENLEITNER: GUSENLEITNER 2010: 1037 (cat.).

Rhynchium marginellum marginellum (FABRICIUS 1783)

Rhynchium marginellum marginellum (FABRICIUS): GUSENLEITNER & GUSENLEITNER 2010: 723 (cat., Kenya).

Rhynchium proserpina von SCHULTHESS 1923

Stroudia abnormis GUSENLEITNER 2001

Stroudia abnormis GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 723 (cat., Kenya).
Stroudia abnormis GUSENLEITNER: GUSENLEITNER 2010: 1023 (cat.).

Stroudia albofasciata GUSENLEITNER 2004

Stroudia albofasciata GUSENLEITNER: GUSENLEITNER 2010: 1023 (cat.).

Stroudia areatoides GUSENLEITNER 2002

Stroudia areatoides GUSENLEITNER: GUSENLEITNER 2010: 1024 (cat.).

Stroudia despecta GUSENLEITNER 2004

Stroudia despecta GUSENLEITNER: GUSENLEITNER 2010: 1026 (cat.).

Stroudia hertae GUSENLEITNER 2002

Stroudia hertae GUSENLEITNER: GUSENLEITNER 2010: 1028 (cat.).

Stroudia hirta GUSENLEITNER 2002

Stroudia hirta GUSENLEITNER: GUSENLEITNER 2010: 1028 (cat.).

Stroudia laikipa GUSENLEITNER 2002

Stroudia laikipa GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 723 (cat., Kenya).
Stroudia laikipa GUSENLEITNER: GUSENLEITNER 2010: 1030 (cat.).

Stroudia manca GUSENLEITNER 2007

Stroudia manca GUSENLEITNER: GUSENLEITNER 2010: 1031 (cat.).

Stroudia meridiana GUSENLEITNER 2007

Stroudia meridiana GUSENLEITNER: GUSENLEITNER 2010: 1031 (cat.).

Stroudia stenosoma (GIORDANI SOIKA 1941)

Stroudia stenosoma (GIORDANI SOIKA): GUSENLEITNER & GUSENLEITNER 2010: 723 (cat., Kenya).
Stroudia stenosoma (GIORDANI SOIKA): GUSENLEITNER 2010: 1030: (tax.).
**Cyrtolabulus longinus* GUSENLEITNER: GUSENLEITNER 2010: 1030: (cat.).

Stroudia striaticlypeus GUSENLEITNER 2002

Stroudia striaticlypeus GUSENLEITNER: GUSENLEITNER & GUSENLEITNER 2010: 723 (cat., Kenya).
Stroudia striaticlypeus GUSENLEITNER: GUSENLEITNER 2010: 1038 (cat.).

Stroudia tarsata GUSENLEITNER 2007

Stroudia tarsata GUSENLEITNER: GUSENLEITNER 2010: 1038 (cat.).

Subancistrocerus budongo (MEADE-WALDO 1915)

Subancistrocerus budongo (MEADE-WALDO): GUSENLEITNER & GUSENLEITNER 2010: 723 (cat., Kenya).

Subancistrocerus burensis (GIORDANI SOIKA 1935)

Subancistrocerus burensis (GIORDANI SOIKA): GUSENLEITNER & GUSENLEITNER 2010: 723 (cat., Kenya).

Synagris (_Paragris_) _abyssinica abyssinica_ GUÉRIN MENNEVILLE 1848

Synagris (*Paragris*) *abyssinica* GUÉRIN MENNEVILLE: GUSENLEITNER & GUSENLEITNER 2010: 723 (cat., Kenya).

Synagris (_Paragris_) _abyssinica albofasciata_ MAIDL 1914

Synagris (*Paragris*) *abyssinica albofasciata* MAIDL: GUSENLEITNER & GUSENLEITNER 2010: 723 (cat., Kenya).

Synagris (_Paragris_) _abyssinica emarginata_ de SAUSSURE 1855

Synagris (*Paragris*) *abyssinica emarginata* de SAUSSURE: GUSENLEITNER & GUSENLEITNER 2010: 723 (cat., Kenya).

Synagris (_Paragris_) _analis analis_ (de SAUSSURE 1852)

Synagris analis (de SAUSSURE): VESEY-FITZGERALD 1940: 35 (Tanzania (Mafia)).

D i s t r i b u t i o n : Angola, Cameroon, Central African Republic, Democratic Republic of Congo, Eritrea, Ethiopia, Kenya, Malawi, Mozambique, Senegal, Somalia, South Africa, Sudan, Tanzania (Tanzania, Mafia, Zanzibar), Uganda, Zambia, Zimbabwe.

Synagris (_Paragris_) _biplagiatus_ GUSENLEITNER 2005

Synagris (*Paragris*) *biplagiatus* GUSENLEITNER: GUSENLEITNER 2010: 1024 (cat.).

Synagris (Pseudagris) brunnea (GUSENLEITNER 2007)

Pseudagris brunnea GUSENLEITNER: GUSENLEITNER 2010: 1024 (cat.).

Synagris (Paragris) calida (LINNAEUS 1758)

Synagris calfida (sic) (LINNAEUS): RILEY 1893: 567 (Congo).
Synagris calida (LINNAEUS): DOLLFUSS 1990: 123 (Central African Republic).
**Synagris sicheliana* de SAUSSURE: ROUBAUD 1910: 3 (biol., Republic of Congo), pl. 1 (figs 1, 3), pl. 2.

Synagris (Synagris) cornuta cornuta (LINNAEUS 1758)

Vespa cornuta LINNAEUS: a LINNÉ 1767: 951 (descr., India).
Vespa cornuta LINNAEUS: GUÉRIN-MÉNEVILLE 1798: pl. 99 fig. 22).
Synagris cornuta (LINNAEUS): WATERSTON 1915: 352 (biol., Ghana).
Synagris cornuta (LINNAEUS): DOLLFUSS 1990: 123 (Central African Republic).

Synagris (Paragris) maxillosa maxillosa de SAUSSURE 1863

Synagris maxillosa de SAUSSURE: GESS 1996: 299 (app. 2: biol., South Africa).

Synagris (Paragris) negusi du BUYSSON 1906

Synagris (*Paragris*) *negusi* du BUYSSON: GUSENLEITNER & GUSENLEITNER 2010: 723 (cat., Kenya).

Synagris (Pseudagris) pygmaea (GUSENLEITNER 1998)

Pseudagris punctiventris GUSENLEITNER: GUSENLEITNER 2010: 1035 (cat.).

Synagris (Paragris) spiniventris (ILLIGER 1802)

**Synagris aequatorialis* de SAUSSURE: RILEY 1893: 567 (Congo).
**Synagris calida* (LINNAEUS): ROUBAUD 1908: 695 (biol., Central African Republic, Mozambique, Republic of Congo).
**Synagris* sp.: LUCAS 1878: 156 (biol., Tanzania).

D i s t r i b u t i o n : Angola, Benin, Burkina Faso, Burundi, Cameroon, Central African Republic, Democratic Republic of Congo, Eritrea, Gabon, Gambia, Ghana, Guinea Bissau, Ivory Coast, Kenya, Mali, Mozambique, Nigeria, Republic of Congo, Republic of Guinea, Rwanda, Senegal, Sierra Leone, Tanzania, Togo, Uganda, Zimbabwe.

Known from the Palearctic Region.

LUCAS 1878 is cited as *Synagris calida* (LINNAEUS) under *Synagris* (*Paragris*) *spiniventris*.

Synagris (Paragris) spinosuscula de SAUSSURE 1852

Synagris (*Paragris*) *spinosuscula* de SAUSSURE: GUSENLEITNER & GUSENLEITNER 2010: 723 (cat., Kenya).

Synagris (Pseudagris) versicolor von SCHULTHESS-RECHBERG 1914

Synagris versicolor von SCHULTHESS-RECHBERG: TAEGER, GAEDIKE & BLANK 2005: 250 (tax., Cameroon, Sierra Leone, Togo, cat.).

Synagris (_Rhynchagris_) _zebra_ (GUSENLEITNER 2000)

Rhynchagris zebra GUSENLEITNER: GUSENLEITNER 2010: 1040 (cat.).

Syneuodynerus zavattarianus (GIORDANI SOIKA 1944)

Tachymenes abruptus GUSENLEITNER 2002

Tachymenes abruptus GUSENLEITNER: GUSENLEITNER 2010: 1023 (cat.).

Tricarinodynerus anceps bequaerti (SCHOUTEDEN 1919)

Odynerus anceps ssp. *albofasciatus* von SCHULTHEß 1928: TAEGER, GAEDIKE & BLANK 2005: 247 (tax., Zambia, Zimbabwe, cat.).

Xanthodynerus lucidus GUSENLEITNER 2006

Xanthodynerus lucidus GUSENLEITNER: GUSENLEITNER 2010: 1030 (cat.).

Zetheumenidion femoratum femoratum (von SCHULTHESS-RECHBERG 1910)

Zetheumenidion femoratus (von SCHULTHESS-RECHBERG): GESS 1996: 288 (app. 2: biol., South Africa).

Zetheumenidion invertitum (GIORDANI SOIKA 1944)

Zethus (_Zethus_) _guineensis_ GUSENLEITNER 2005

Zethus (*Zethus*) *guineensis* GUSENLEITNER: GUSENLEITNER 2010: 1027 (cat.).

Zethus (_Zethus_) _namibicus_ GUSENLEITNER 1997

Zethus namibicus GUSENLEITNER: GUSENLEITNER 2010: 1032 (cat.).

Zethus (_Zethus_) _rothschildanus_ (du BUYSSON 1906)

Zethus (*Zethus*) *rothschildanus* (du BUYSSON): GUSENLEITNER & GUSENLEITNER 2010: 723 (cat., Kenya).

Zethus (_Zethus_) _yarrowi_ GIORDANI SOIKA 1979

Zethus yarrowi GIORDANI SOIKA: GESS 1996: 298 (app. 2: biol., South Africa).

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Corrections: References

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Zusammenfassung

Ergänzungen und Richtigstellungen zu Teil I und II werden mitgeteilt. Mehrere taxonomische Änderungen werden vorgenommen. Ein kurzer Überblick zur Systematik der äthiopischen Eumeninae ist beigefügt.

Index

Valid names are printed in bold, synonyms in italics and invalid names (misidentifications included) in normal letters. If an invalid name is mentioned on the same page under different species, the page number is cited e.g. twice.

Index to genera

Index to species and subspecies

Table 1: Updated list of valid genera, species and subspecies in the Ethiopian Region and Malagasy Subregion and their numbers.

Genus	Ethiopian Region		Malagasy Subregion	
	Species	Subspecies	Species	Subspecies
Aethiopicodynerus	13	2		
Afrepipona	2			
Afreumenes	7	10		
Afrodynerus	1			
Afrogamma	1			
Alastor	42	1	2	
Allepipona	7	1		
Allodynerus	3	1		
Ancistrocerus	21	12		
Antepipona	79	5	4	
Anterhynchium	17	14	3	2
Antodynerus	46	21		
Astalor	2			
Carinstrocerus	2			
Chlorodynerus	7	3		

Genus	Ethiopian Region		Malagasy Subregion	
	Species	Subspecies	Species	Subspecies
Convextrocerus	2			
Cyphodynerus	5	3		
Cyrtalastor	1			
Cyrteumenes			3	
Cyrtolabulus	28		5	
Delta	19	15	6	1
Ectopioglossa	3			
Elisella	1			
Emeryrhynchium	1			
Eumenes	12	5		
Eumenidiopsis	8			
Euodynerus	7	1	1	
Eustenancistrocerus	5			
Extreuodynerus	1			
Gibberhynchium	1			
Gioiella	3			
Giordania			2	
Globepipona	1			
Globodynerus	1			
Interzumia	1			
Ischnogasteroides	1			
Katamenes	3	3		
Knemodynerus	10		3	
Lamellodynerus	1			
Leptochilus	4			
Leptomenes	8	1	3	
Malagassodynerus			1	
Malgachemenes			1	
Micreumenes	29	2		
Nirtenia	1			
Odynerus	2			
Omicrabulus	6	1		
Ovodynerus	11	1		
Pachodynerus	1			
Paraleptomenes			1	
Paramischocyttarus	4		1	
Paravespa	13	4		

Genus	Ethiopian Region		Malagasy Subregion	
	Species	Subspecies	Species	Subspecies
Pareumenes	4	4		
Polistepipona	2	3		
Postepipona	1		1	
Proepipona	7	9		
Pseudepipona	2	1		
Pseudochilus	5	1		
Pseudodontodynerus	4	1		
Pseudonortonia	39	1		
Pseudozumia	1			
Pterocheilus	1			
Pteromenes	1			
Raphiglossa	4		1	
Raphiglossoides	2			
Rhynchalastor	27	5		
Rhynchium	3	5	1	
Simplepipona			1	
Stellepipona	7	1		
Stroudia	56	3		
Subancistrocerus	4	1	1	
Synagris	34	21		
Syneuodynerus	1			
Tachyancistrocerus	1			
Tachymenes	3			
Trachyodynerus	1			
Tricarinodynerus	8	5		
Tuleara			1	1
Xanthodynerus	5			
Zetheumenidion	5	1		
Zethus	14		2	
81	686	168	44	4

Table 2: Updated list of genera and species incertae sedis in the Ethiopian Region and Malagasy Subregion and their numbers.

Genus	Ethiopian Region		Malagasy Subregion	
	Species	Subspecies	Species	Subspecies
Catilostenus MEUNIER 1888	1			
(*Eumenes* LATREILLE 1802)	1			
(*Odynerus* LATREILLE 1802)	18		9	
(*Rhynchium* SPINOLA 1806)	3			
1	23		9	

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